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Animal Husbandry Research Division, ARS
Agricultural Research Center
Beltsville, Maryland

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Formulation of Protein-Mineral Mixtures and Complete
Diets for Growing and Finishing Pigs

Formula No. ¹			
	1	2	3
Ingredients	Pounds	Pounds	Pounds
Tankage	10	20	-
Fish meal	10	-	-
Linseed meal	20	-	-
Alfalfa leaf meal	20	20	25
Cottonseed meal	-	25	-
Soybean meal	35	-	70
Peanut meal	-	30	-
Mineral mixture ²	5	5	5

¹Supplements containing vitamin B₁₂ and antibiotics may be added according to directions.

²Mineral mixture may be composed of: 31.3 parts by weight of ground limestone, 33 parts steamed bonemeal, 33 parts iodized salt, 2 parts ferrous sulfate, 0.1 part copper sulfate, 0.2 manganous sulfate, and 0.4 zinc oxide.

These mixes may be combined with grains in the following proportions to provide about 16% of crude protein for pigs up to 125 pounds live weight or to provide about 13% crude protein for pigs from 125 to 225 pounds live weight.

Crude prot.	Prot. min. mix	Corn (maize)	Barley (48 lb./bu.)
%	%	%	%
16	25	75	-
13	14	86	-
16	17	-	83
13	8	-	92

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PELLETED STARTER DIET FOR CREEP FEEDING SUCKLING PIGS

<u>Ingredients</u>	<u>Amount</u> lbs.
Oat groats (rolled)	30.0
Ground yellow corn	30.0
60% fishmeal	8.0
Soybean oil meal	7.5
Dried skim milk	10.0
Dried brewers' yeast	3.75
Dehydrated alfalfa meal	4.0
Molasses, cane (liquid or dry form)	5.5
Salt (iodized)	.5
Mineral mixture <u>/1</u>	.25
Antibiotic & vitamin supplements	.5 <u>/2</u>
Irradiated yeast	100 I.U.D./lb.

/1 Contained 85.6% ground limestone, 12% ferrous sulphate, 1.2% copper sulphate and 1.2% manganese sulphate.

/2 Supplied 9.0 mg. antibiotic and 9.0 mcg. B₁₂ per pound of diet.

